

chamber, the plate-shaped member having a land formed on the back surface by a second etching process so as to correspond to the pressure chamber and be in contact with an extremity of the pressure producing device, the plate-shaped member having an elastic and deformable portion which is formed by the first etching process and the second etching process so as to surround the land, the elastic and deformable portion being capable of being elastically deformed by a deformation of the pressure producing device; and

A¹ cont.
a nozzle plate provided with a nozzle hole through which an ink particle is jetted when the pressure in the pressure chamber is changed by the deformation of the pressure producing device, the nozzle plate being disposed on a side of the front surface of the plate-shaped member,

wherein the plate-shaped member includes a first layer having the front surface, a second layer having the back surface and an intermediate layer sandwiched between the first layer and the second layer, and

wherein the partition wall is formed by the first etching process which etches a desired portion of the first layer selectively over the intermediate layer so that the first layer is penetrated, and the land is formed by the second etching process which etches a desired portion of the second layer selectively over the intermediate layer so that the second layer is penetrated.

3. (ONCE AMENDED) An ink-jet recording head comprising:

A²
a pressure producing device for changing a pressure in a pressure chamber containing an ink;

a plate-shaped member having a front surface and a back surface, the plate-shaped member having a partition wall formed on the front surface by a first etching process, the

partition wall defining the pressure chamber, an ink inlet passage and a common ink storage chamber, the plate-shaped member having a land formed on the back surface by a second etching process so as to correspond to the pressure chamber and be in contact with an extremity of the pressure producing device, the plate-shaped member having an elastic and deformable portion which is formed by the first etching process and the second etching process so as to surround the land, the elastic and deformable portion being capable of being elastically deformed by a deformation of the pressure producing device: and

A2
cont. a nozzle plate provided with a nozzle hole through which an ink particle is jetted when the pressure in the pressure chamber is changed by the deformation of the pressure producing device, the nozzle plate being disposed on a side of the front surface of the plate-shaped member,

wherein the plate-shaped member includes a first layer having the front surface, a second layer having the back surface, an intermediate layer sandwiched between the first layer and the second layer, a first adhesive layer bonding the first layer and the intermediate layer together and a second adhesive layer bonding the second layer and the intermediate layer together,

wherein the partition wall is formed by the first etching process which etches a desired portion of the first layer selectively over the first adhesive layer so that the first layer is penetrated, and the land is formed by the second etching process which etches a desired portion of the second layer selectively over the second adhesive layer so that the second layer is penetrated.

4. (ONCE AMENDED) The ink-jet recording head according to claim 1, wherein the first and the second layers are formed of a stainless steel, and the intermediate layer is formed

A2
cont

• of a polymer film.

7. (ONCE AMENDED) An ink-jet recording head according to claim 1,

A3

wherein the plate-shaped member does not have any adhesive layer or the like between the first and the intermediate layers nor between the second and the intermediate layers.

Please add the following new claims:

54. (NEW) The ink-jet recording head according to claim 3 wherein the first and the

A4

second layers are formed of a stainless steel, and the intermediate layer is formed of a polymer film.

IN THE DRAWINGS:

The Applicant respectfully submits a marked up copy of Figures 30-34, marked in red ink showing proposed changes, for consideration and requests that the proposed drawing amendments be entered.